



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Arkadiy MORGENSHEIN et al

Serial No.: 10/825,123

Filed: April 16, 2004

For: ION CONCENTRATION  
TRANSISTOR AND DUAL-  
MODE SENSORS (amended)

Examiner: John C. BALL

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Group Art Unit: 4128

Attorney  
Docket: 27238


DECLARATION UNDER 37 CFR 1.132

Sir:

I, Arkadiy MORGENSHEIN of 11/51 Yigal Alon Street, Kiryat-Motzkin, Israel, declare as follows:

1. I am a joint inventor of the invention disclosed and claimed in the above-identified application;
2. I am the author of the Research Thesis titled "Design an Methodology of ISFET (Ion Sensitive Field Effect Transistor) Microsystems for Bio-Telemetry"; and
3. The Research Thesis was presented by me on April 27, 2003, as is evidenced by a Transcript of Academic Record from the Technion - Israel Institute of Technology, attached and marked Annex A. The Research Thesis was not available to the public prior to that date.

I declare that all statements made herein of our knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willfully false statements are punishable by fine or imprisonment under 18 U.S.C. Section 1001 and that any such statement may jeopardize the validity of the subject application or any patent issued thereon.

  
Arkadiy MORGENSHEIN

17.4.2008  
Date: April , 2008



Annex A

TECHNION - ISRAELI INSTITUTE OF TECHNOLOGY  
THE GRADUATE SCHOOL  
TRANSCRIPT OF ACADEMIC RECORD

DATE: 29/04/2007

STUDENT: MORGENSSTEIN ARKADIY  
FOR DEGREE: MASTER  
ACADEMIC UNIT: BIOMEDICAL ENGINEERING

ID: 306119561

DATE OF ADMISSION: 10/2000 STATUS: GRADUATED ON: 08/2003

	GRADUATE	UNDERGRADUATE
REQUIRED CREDITS	18	10
TRANSFERRED CREDITS		
EARNED CREDITS	27.6	2

2000-2001 WINTER SEMESTER

GPA: 91.3

048866 MICROELECTRONICS LABORATORY	2.0	G	95
236611 ADVANCED TOPICS IN COMPUTER SCIENCE II	2.0	J	95
274001 INTR. TO MACROSCOPIC & MICROSCOPIC ANATO.	2.0	UG	84

2000-2001 SPRING SEMESTER

GPA: 87.9

046187 ANALOG CIRCUIT DESIGN	3.0	J	95
276010 BIOPHYSICS AND NEUROPHYSIOLOGY FOR ENG.	3.0	J	85
336004 BIOLOGICAL PROCESSES	2.5	J	73
336319 BIOMEDICAL ENGINEERING PROJECT	2.0	J	100

2001-2002 WINTER SEMESTER

GPA: 75.6

276011 SYSTEMS PHYSIOLOGY ENG.	3.0	J	66
336326 DATA ANALYSIS AND PARAMETER ESTIMATION	2.0	J	90

2001-2002 SPRING SEMESTER

GPA: 98.5

048864 ADVANCE TOPICS IN COMPUTER ARCHITECTURE2	2.0	G	99
048878 VLSI ARCHITECTURES	2.0	G	98

2002-2003 WINTER SEMESTER

GPA: 93.5

048879 SEMINAR IN VLSI ARCHITECTURE	2.0	G	97
049016 DESIGN AND MODELING OF MICRO-ELECTRO-MEC	2.0	G	90

TOTAL G.P.A.: 88.7

LANGUAGE REQUIREMENTS

ENGLISH - READING PROFICIENCY: EXEMPT ENGLISH - ADVANCED LEVEL: PASSED  
328050-ACADEMIC WRITING FOR DOCTORAL CANDIDATES - PASS -01/2005

THESIS TOPIC: Design and Methodology of ISFET (Ion Sensitive Field Effect Transistor) Microsystems for Biotelemetry

THESIS PRESENTATION AND FINAL EXAMINATION:

THESIS PRESENTATION DATE: 27/04/2003 SEMINAR LECTURE DATE: 02/03/2003  
FINAL EXAMINATION DATE: 15/07/2003 COMBINED GRADE FOR THESIS AND EXAMINATION: 95

DEGREE CONFERRED: MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

